

CLAIMES

1. A shower head with water purification function comprising a holding part formed so as to have a connection terminal with other parts and be held directly by hand, and a head part having a shower delivery port integrally formed at the tip of said holding part, wherein

in said holding part, a water quality purification cartridge is incorporated, and by the incorporation of said water quality purification cartridge, a water purification flow path penetrating said water quality purification cartridge, and a raw water flow path which does not penetrate said water quality purification cartridge are formed;

in said head part, a flow path switching valve which switches between said water purification flow path and said raw water flow path is incorporated, a straight delivery port is also provided at a place where said shower delivery port is formed, and a delivery flow switching valve which switches between a delivery flow from said straight delivery port and a delivery flow from said shower delivery port is incorporated; and

said flow path switching valve and said delivery flow switching valve are formed controllably from the outside of said head part independently of each other.

2. A shower head with water purification function according to claim 1, wherein said water purification flow path and said raw water flow path formed by the incorporation of said water quality purification cartridge are formed such that a flow path on the outer periphery of said water quality purification cartridge is formed as a part of said raw water flow path, and a flow path from said outer peripheral flow path to a central space formed in the central part thereof via a water quality purification material provided in said water quality purification cartridge is formed as a part of said water purification flow path.

3. A shower head with water purification function according to claim 1, wherein said water purification flow path and said raw water flow path formed by the incorporation of said water quality purification cartridge are formed such that a central space of said water quality purification cartridge is formed as a part of said raw water flow path, and a flow path from said central space to an outer peripheral flow path via a water quality purification material provided in said water quality purification cartridge is formed as a part of said water purification flow path.

Sub B² → 4. A shower head with water purification function according to claim 1, wherein said flow path switching valve is arranged on the downstream side of said water quality purification cartridge.

5. A shower head with water purification function according to claim 1, wherein said flow path switching valve is arranged on the upstream side of said water quality purification cartridge.

6. A shower head with water purification function according to claim 1, wherein an operating part of said flow path switching valve is incorporated in said head part, and an operation end of said operating part is made to protrude outwards of said head part.

7. A shower head with water purification function according to claim 1, wherein said flow path switching valve is formed as an alternately switching cutoff valve having a water purification cutoff valve and a raw water cutoff valve arranged side by side, such that a push button is formed as the operation end of said operating part, and the flow path is alternately cut off by this push button.

8. A shower head with water purification function according to claim 1, wherein said flow path switching valve is formed as an alternately switching cutoff valve having a water purification cutoff valve and a raw water cutoff valve arranged side by side, such that a control lever is formed as the operation end of said operating part, and the flow path is alternately cut off by this control lever.

9. A shower head with water purification function according to claim 7 or claim 8, wherein the water purification cutoff valve and the raw water cutoff valve of said alternately switching cutoff valve respectively comprise a spherical valving element.

10. A shower head with water purification function according to claim 1, wherein said delivery flow switching valve is formed as a delivery flow switching valve comprising an operating part formed so as to be able to switch the flow path from the outside of said head part.

11. A shower head with water purification function according to claim 1, wherein said delivery flow switching valve is formed as a cutoff valve operated by a lever and comprising control lever operated from the outside of said head part, as said operating part.

12. A shower head with water purification function according to claim 1, wherein said delivery flow switching valve is formed as a delivery flow switching valve comprising a rotary operating part which operates the delivery port from the outside of said head part.

13. A shower head with water purification function according to either one of

claim 2 or claim 3, wherein a germicidal ceramic and/or a sintered magnetic body is installed in the flow path from said water quality purification material to said delivery flow switching valve.

14. A shower head with water purification function according to either one of claim 4 or claim 5, wherein a germicidal ceramic and/or a sintered magnetic body is installed in the flow path from said flow path switching valve to said delivery flow switching valve.

15. A shower head with water purification function according to claim 1, wherein a hose connected to a faucet is connected to the connection terminal with said other parts.

16. A shower head with water purification function according to claim 1, wherein a delivery port of a faucet is directly connected to the connection terminal with said other parts.